

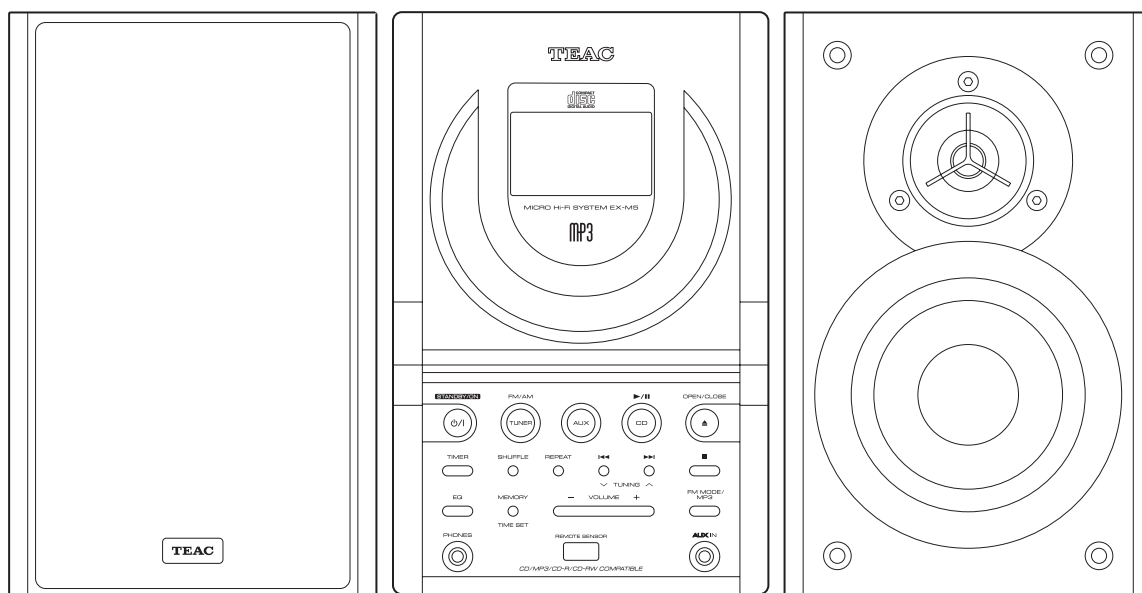
TEAC

COMPACT
disc
DIGITAL AUDIO

EX-M5

Micro Hi-Fi System

OWNER'S MANUAL





CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT SAFETY INSTRUCTIONS

CAUTION

- Read all of these Instructions.
- Save these Instructions for later use.
- Follow all Warnings and Instructions marked on the audio equipment.

1) Read Instructions — All the safety and operating instructions should be read before the product is operated.

2) Retain Instructions — The safety and operating instructions should be retained for future reference.

3) Heed Warnings — All warnings on the product and in the operating instructions should be adhered to.

4) Follow Instructions — All operating and use instructions should be followed.

5) Cleaning — Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

6) Attachments — Do not use attachments not recommended by the product manufacturer as they may cause hazards.

7) Water and Moisture — Do not use this product near water — for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.

8) Accessories — Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

9) A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.



10) Ventilation — Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

11) Power Sources — This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.

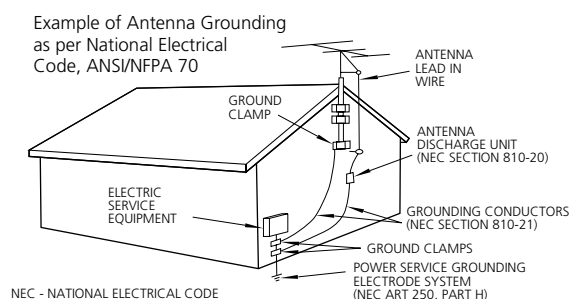
12) Grounding or Polarization — This product may be equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

13) Power-Cord Protection — Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

14) Outdoor Antenna Grounding — If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

Note to CATV system installer:

This reminder is provided to call the CATV system installer's attention to Section 820-40 of the NEC which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical."



15) Lightning — For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

16) Power Lines — An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

17) Overloading — Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in risk of fire or electric shock.

18) Object and Liquid Entry — Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

19) Servicing — Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

20) Damage Requiring Service — Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- a) when the power-supply cord or plug is damaged.
- b) if liquid has been spilled, or objects have fallen into the product.
- c) if the product has been exposed to rain or water.
- d) if the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
- e) if the product has been dropped or damaged in any way.
- f) when the product exhibits a distinct change in performance _ this indicates a need for service.

21) Replacement Parts — When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

22) Safety Check — Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

23) Wall or Ceiling Mounting — The product should be mounted to a wall or ceiling only as recommended by the manufacturer.

24) Heat — The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION

- DO NOT REMOVE THE EXTERNAL CASES OR CABINETS TO EXPOSE THE ELECTRONICS. NO USER SERVICEABLE PARTS ARE WITHIN!
- IF YOU ARE EXPERIENCING PROBLEMS WITH THIS PRODUCT, CONTACT TEAC FOR A SERVICE REFERRAL. DO NOT USE THE PRODUCT UNTIL IT HAS BEEN REPAIRED.
- USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

For U.S.A.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the equipment and/or the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION

Changes or modifications to this equipments not expressly approved by TEAC CORPORATION for compliance will void the user's warranty.

For CANADA

AC POWER CORD CONNECTION

CAUTION:

TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

Pour le CANADA

CORDE DE CONNEXION CA

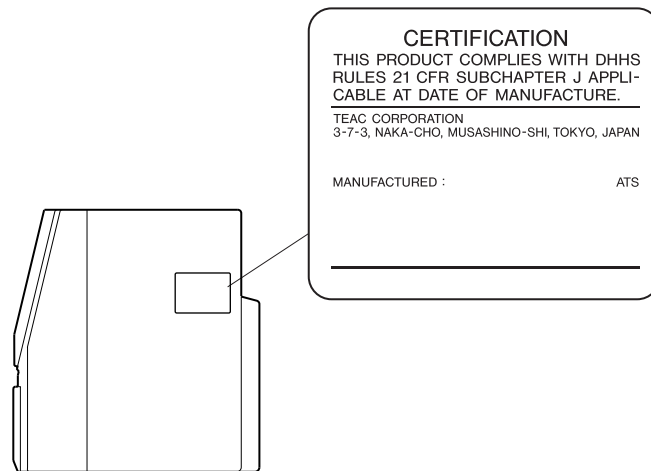
ATTENTION:

POUR ÉVITER LES CHOCS ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

This product has been designed and manufactured according to FDA regulations "title 21, CFR, chapter 1, subchapter J, based on the Radiation Control for Health and Safety Act of 1968", and is classified as class 1 laser product. There is not hazardous invisible laser radiation during operation because invisible laser radiation emitted inside of this product is completely confined in the protective housings.

The label required in this regulation is shown ①.

① For U.S.A.



Optical pickup :

Type : SF-P200Z
Manufacturer : SANYO Electric Co., Ltd.
Laser output : Less than 0.5 mW on the objective lens
Wavelength : 765 - 815 nm

Contents

Thank you for choosing TEAC. Read this manual carefully to get the best performance from this unit.

Contents	4
Before Using the Unit	4
Discs	5
Battery Installation	6
Connections	7
Unit Functions	8
Basic Operation	10
Listening to CD/MP3	11
Repeat Playback	13
Programmed Playback	14
Shuffle Playback	15
Intro Check	15
Search Mode (MP3 only)	16
Listening to the Radio	17
Preset Tuning	18
Setting the Clock	19
Timer	20
Sleep Timer	22
Listening to an External Source	22
Specifications	22
Troubleshooting	23

Before Using the Unit

Read this before attempting any operations

- As the unit may become warm during operation, always leave sufficient space around the unit for ventilation.
- The voltage supplied to the unit should match the voltage as printed on the rear panel. If you are in any doubt regarding this matter, consult an electrician.
- Choose the installation location of your unit carefully. Avoid placing it in direct sunlight or close to a source of heat. Also avoid locations subject to vibrations and excessive dust, heat, cold or moisture.
- Do not place the unit on an amplifier/receiver.
- Do not open the cabinet as this might result in damage to the circuitry or electrical shock. If a foreign object should get into the unit, contact your dealer or service company.
- When removing the power plug from the wall outlet, always pull directly on the plug, never yank the cord.
- To keep the laser pickup clean, do not touch it, and always close the disc compartment lid.
- Do not attempt to clean the unit with chemical solvents as this might damage the finish. Use a clean, dry cloth.
- Keep this manual in a safe place for future reference.

DO NOT MOVE THE UNIT DURING PLAYBACK

During playback, the disc rotates at high speed. Do NOT lift or move the unit during playback. Doing so may damage the disc or the unit.

WHEN MOVING THIS UNIT

When changing the unit's location or packing the unit for moving, be sure to remove the disc. Moving this unit with the disc loaded may result in damage to this unit.

CAUTION

The product shall not be exposed to dripping or splashing and that no object filled with liquids, such as vases, shall be placed on the product.

Do not install this equipment in a confined space such as a book case or similar unit.

Discs which can be played on this unit:

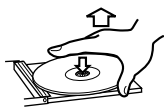
- Conventional audio CDs bearing the COMPACT DISC DIGITAL AUDIO logo on the label:



- Properly finalized CD-R and CD-RW discs

Note:

- Depending on the quality of the disc and/or the condition of the recording, some CD-R/CD-RW discs may not be playable.
- Copy-protected discs and other discs that do not conform to the CD standard may not play back correctly in this player. If you use such discs in this unit, TEAC Corporation and its subsidiaries cannot be responsible for any consequences or guarantee the quality of reproduction. If you experience problems with such non-standard discs, you should contact the producers of the disc.
- Always place the disc on the disc tray with the label side up. (Compact discs can be played or recorded only on one side.)
- To remove a disc from its storage case, press down on the center of the case and lift the disc out, holding it carefully by the edges.



How to remove the disc



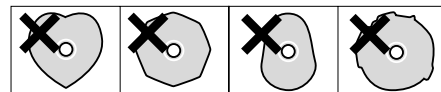
How to hold the disc

- Should the disc become dirty, wipe the surface radially (from the center hole outward towards the outer edge) with a soft, dry cloth:



- Never use such chemicals as record sprays, antistatic sprays or fluid, benzine or thinner to clean the discs. Such chemicals will do irreparable damage to the disc's plastic surface.
- Discs should be returned to their cases after use to avoid dust and scratches that could cause the laser pickup to "skip."
- Do not expose discs to direct sunlight or high humidity and temperature for extended periods. Long exposure to high temperatures will warp the disc.
- Do not play any disc that is warped, deformed or damaged. Playing such discs may cause irreparable harm to the playing mechanisms.

- CD-R and CD-RW discs are more sensitive to the effects of heat and ultraviolet rays than ordinary CDs. It is important that they are not stored in a location where direct sunlight will fall on them, and away from sources of heat such as radiators or heat-generating electrical devices.
- Printable CD-R and CD-RW discs aren't recommended, as the label side might be sticky and damage the unit.
- Do not stick papers or protective sheets on the discs and do not use any protective coating spray.
- Use a soft oil-based felt-tipped pen to write the information on the label side. Never use a ball-point or hard-tipped pen, as this may cause damage to the recorded side.
- Never use a stabilizer. Using commercially available CD stabilizers with this unit will damage the mechanisms and cause them to malfunction.
- Do not use CDs with an irregular shape (octagonal, heart shaped, business card size, etc.). CDs of this sort can damage the unit:



- If you are in any doubt as to the care and handling of a CDR/CD-RW disc, read the precautions supplied with the disc, or contact the disc manufacturer directly.

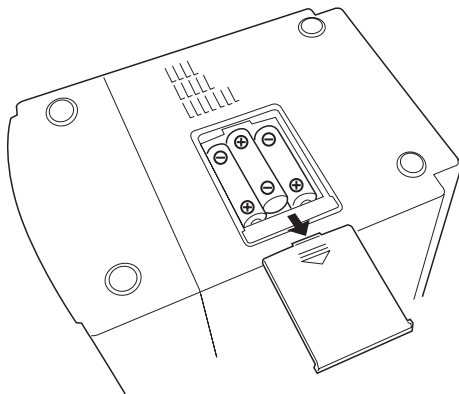
MP3 compatibility

- File names of MP3 should be alphanumeric characters. This unit cannot display symbols and full-size or 2 bytes-wide characters (such as Japanese, Chinese, etc.) correctly. Also, be sure to use the file extension ".mp3".
- The disc must be finalized in order to play.
- The CD-ROM must be ISO 9660 compatible.
- When more than 200 files or folders are recorded on the disc, the unit might not be able to play it correctly.
- Mono or stereo MPEG-1 Audio Layer 3 format, 44.1 or 48 kHz, fixed bit-rate.
- Audio encoded at 128 Kbps should sound close to regular audio CD quality. Although this player will play lower bit-rate MP3 tracks, the sound quality becomes noticeably worse at lower bit-rates.

Battery Installation

1. Remove the battery compartment cover.
2. Insert "AA" (R6 or SUM-3) dry batteries. Make sure that the batteries are inserted with their positive "+" and negative "-" poles positioned correctly.
3. Close the cover.

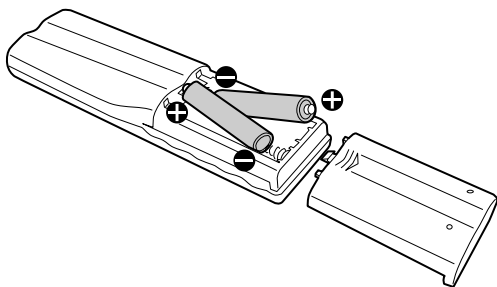
Main Unit



(Underside of the unit)

These batteries supply a backup power to a built-in clock when the unit is momentarily disconnected from the AC power line.

Remote Control Unit



Battery Replacement

If the distance required between the remote control unit and main unit decreases, the batteries are weak. If this is the case, replace the batteries with fresh ones.

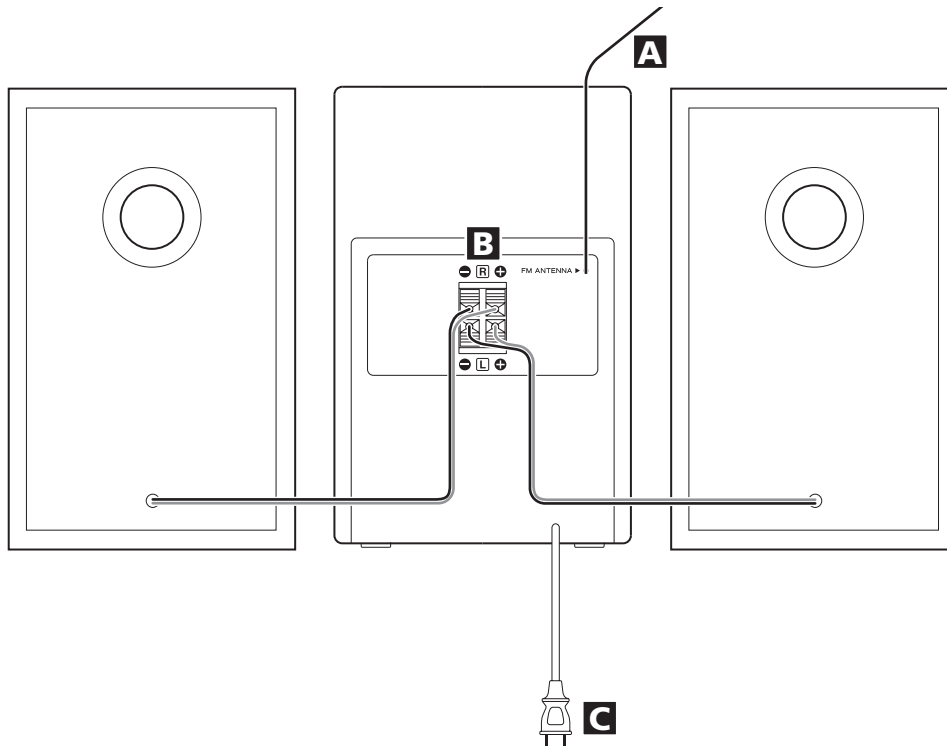
Precautions concerning batteries

- Be sure to insert the batteries with correct positive "+" and negative "-" polarities.
- Use batteries of the same type. Never use different types of batteries together.
- Rechargeable or non-rechargeable batteries can be used. Refer to the precautions on their labels.
- When the remote control unit is not to be used for a long time (more than a month), remove the batteries from the remote control unit to prevent them from leaking. If they leak, wipe away the liquid inside the battery compartment and replace the batteries with new ones.
- Do not heat or disassemble batteries and never dispose of old batteries by throwing them in a fire.

Connections

CAUTION:

- Switch off the power to all equipment before making connections.
- Read the instructions of each component you intend to use with this unit.
- Be sure to insert each plug securely. To prevent hum and noise, avoid bundling the signal interconnection cables together with the AC power cord.



A FM antenna

While in FM mode, tune in an FM station and extend the lead to find the best position for the reception. This antenna may need to be repositioned if you move your unit to a new location.

B Speakers

Connect the left speaker's cable to "L", and the right speaker's cable to "R".

Be sure to connect the black side of the cable to the \ominus (negative) terminal and the gray broken-line-printed side to the \oplus (positive) terminal.

How to connect

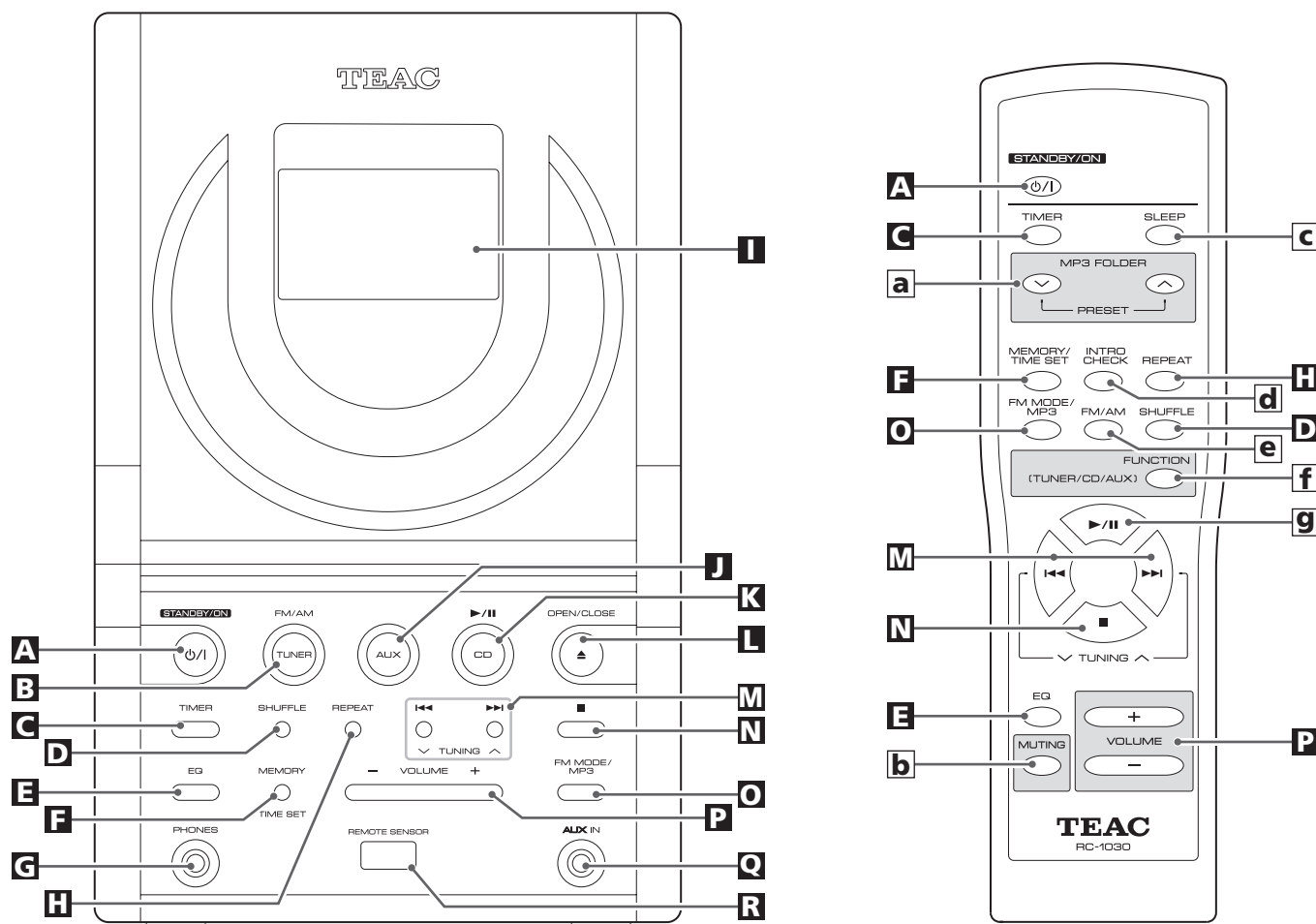
Push the tab, insert the end of the cable, then pull the tab back. Make sure it is fastened securely by pulling the cable lightly. Make sure only the bare, stripped wire is inserted in the jack and that no plastic insulation is preventing contact between the speaker wire and terminal.



- To avoid damaging the speakers with a sudden high-level signal, be sure to switch the power off before connecting the speakers.
- If not using the included speakers, make sure the speakers you use are at least 4 Ω impedance.

C AC Power Cord

Plug this AC power cord into an AC wall socket.



A STANDBY/ON

Use this button to turn the unit on or standby.

The equipment draws a nominal amount of power from the AC outlet even with its STANDBY/ON switch in the STANDBY position.

B TUNER (FM/AM)

Use this button to select TUNER mode.

In TUNER mode, press this button to select FM or AM.

C TIMER

Use this button to disable and enable a preset timer-on/-off time.

D SHUFFLE

In CD mode, use this button to play all tracks on the CD at random.

E EQ (Equalizer)

This button offers Classic, Rock, Pop, Jazz and PASS modes.

F MEMORY/TIME SET

This button is used for programmed playback of CD or to preset broadcasts. Also used to change between the hours and the minutes when setting a built-in clock or timer-on or -off times.

G PHONES

Insert the headphones plug into the PHONES jack, and adjust the volume using the VOLUME button.

H REPEAT

In CD mode, use this button for repeat playback.

I Display

J AUX

When a component is connected to the AUX IN jack, use this button to listen to the external source.

K CD

Use this button to select CD mode.

In CD mode, use this button to start or pause playback.

L OPEN/CLOSE

In CD mode, use this button to open and close the disc compartment lid.

M SKIP (◀◀ / ▶▶), TUNING

In CD mode, use these buttons to skip tracks. Holding down either button offers "cue" or "review" functions.

In TUNER mode, use these buttons to tune in a station.

N STOP

In CD mode, use this button to stop playback.

O FM MODE/MP3

In FM TUNER mode, use this button to select stereo or monaural.

During playback of a MP3 disc, use this button to search track name.

During playback of CD, use this button to switch the ESP function on or off.

P VOLUME

Use this button to adjust the volume level.

Q AUX IN jack

You can connect a portable audio player to this jack.

Connect the LINE OUT or PHONES jack (audio output jack) of the player using the supplied stereo mini plug cable.

When using the PHONES jack of your mini player, you must adjust the volume of the mini-player or you may hear no sound from your EX-M5.

R Remote sensor

Receives signals from the remote control unit. Point the remote control unit at this sensor when operating the remote control unit.

Remote Control Unit

a MP3 FOLDER/PRESET

In TUNER mode, use this button to select preset stations.

During playback of a MP3 disc, use this button to select a folder in the disc.

b MUTING

Use this button to mute the sound.

c SLEEP

Use this button to set sleep timer.

d INTRO CHECK

In CD mode, use this button to start or stop the intro check function.

e FM/AM

In TUNER mode, press this button to select FM or AM.

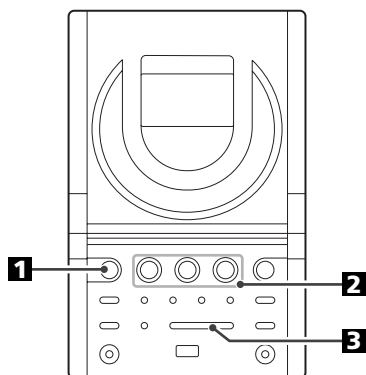
f FUNCTION

Use this button to select CD, AUX or TUNER.

g PLAY/PAUSE

In CD mode, use this button to start or pause playback.

- The provided Remote Control Unit allows the unit to be operated from a distance.
When operating the remote control unit, point it towards the REMOTE SENSOR on the front panel of the unit.
- Even if the remote control unit is operated within the effective range, remote control operation may be impossible if there are any obstacles between the unit and the remote control.
- If the remote control unit is operated near other appliances which generate infrared rays, or if other remote control devices using infrared rays are used near the unit, it may operate incorrectly. Conversely, the other appliances may operate incorrectly.
- To simplify explanations, instructions in this manual refer to the names of the buttons and controls on the front panel only. Associated controls on the remote control will also operate similarly.



1 Press the **STANDBY/ON** switch to turn the unit on.

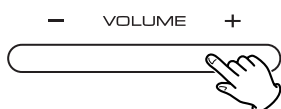


2 Press the **CD, TUNER or AUX** button to select a source.



- When using the remote control unit, press the **FUNCTION** button repeatedly until the desired source appears on the display.
- To listen to an external source connected to the **AUX IN** jack, press the **AUX** button.

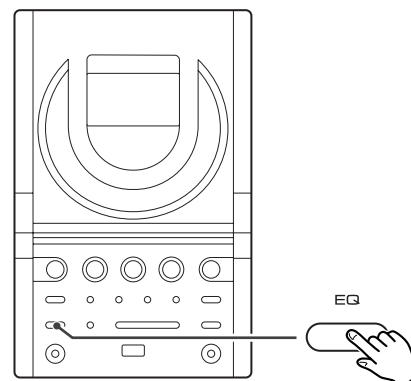
3 Play the source, and adjust the volume using the **VOLUME** button.



The volume is adjustable from 00 to 30 using the **VOLUME** buttons. You can hold down the – or + buttons to reduce or bring up the volume continuously.

EQ (Equalizer)

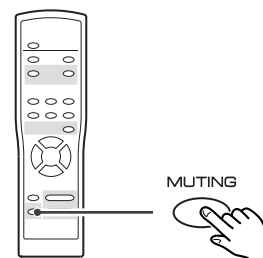
When the **EQ** button is pressed once, the current EQ mode is displayed. Press the **EQ** button repeatedly to select any other mode.



CLASSIC: A balanced sound; suitable for classical music.
ROCK: Provides a heavy powerful sound; suitable for rock music.
POP: Emphasizes vocal tones; suitable for popular music.
JAZZ: suitable for jazz music.
PASS: Equalizer is off.

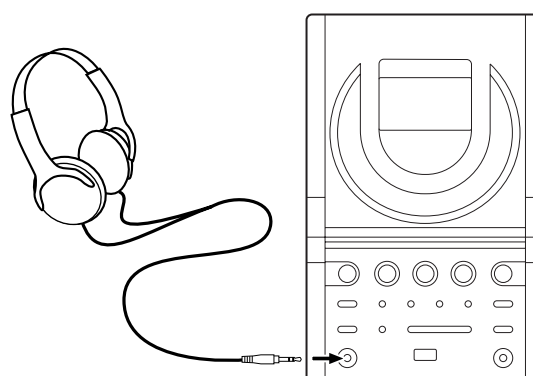
Muting

To mute the sound temporarily, press the **MUTING** button. Press the **MUTING** button again to restore the sound.



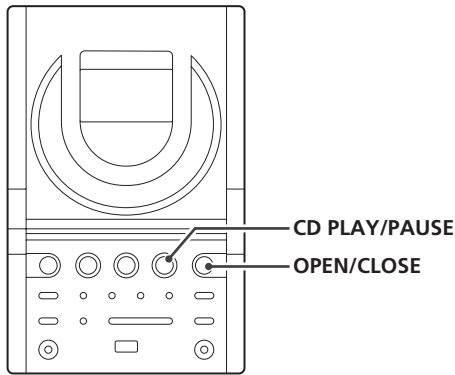
- While muting is engaged, the **VOLUME** level indicators blink.
- If you change the volume during the muting, the muting will be canceled.

Headphones

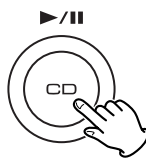


Insert the headphones plug into the **PHONES** jack, and adjust the volume.

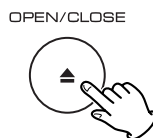
Listening to CD/MP3 (1)



1 Press the CD or the FUNCTION button to select "CD".

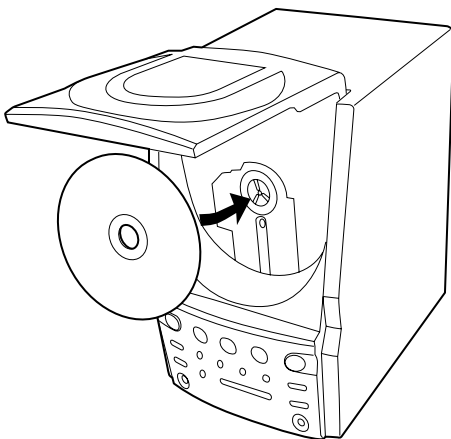


2 Press the OPEN/CLOSE button.



3 Put a disc onto the center spindle of the player with the label side facing you.

Press the disc onto the spindle until a slight "click" is heard indicating the disc is mounted correctly.



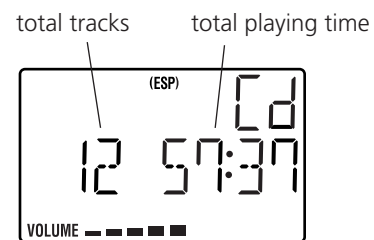
- Never put more than one disc in the mechanism at a time.
- Ensure that the disc is correctly mounted on the spindle and locked in place.

4 Press the OPEN/CLOSE button to close the CD door.

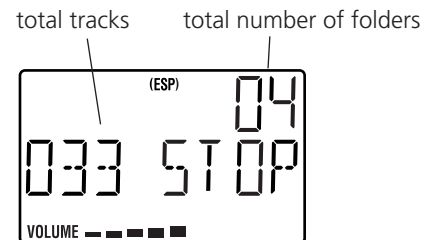


- It takes a few seconds for the unit to load the disc. No buttons will work during loading. Wait until the total number of the tracks and the total play time of the disc are displayed.
- When no disc is loaded in the CD player, "NO DISC" is displayed.

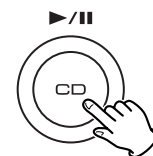
When a CD is loaded



When a MP3 disc is loaded



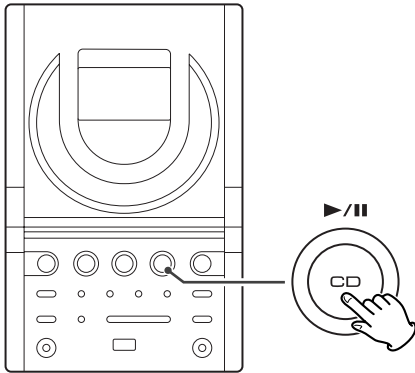
5 Press the Play/Pause button (▶/||) to start playback.



Playback starts from the first track of the disc.

- MP3 tracks recorded out of folders are automatically put in the "ROOT" folder, and playback starts from the first track of the ROOT folder.
- When the playback of all the tracks has finished, the unit stops automatically.

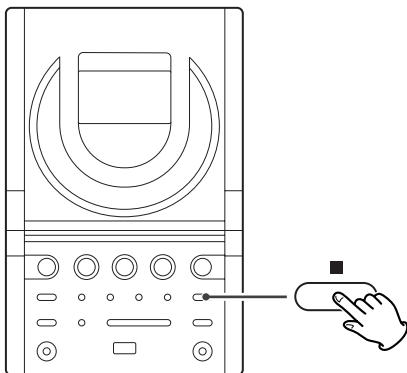
To suspend playback temporarily (pause mode)



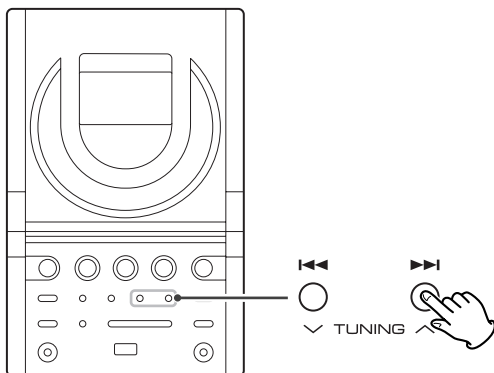
Press the Play/Pause button (▶/||) during playback. Playback stops at the current position and the time display blinks. To resume playback, press the Play/Pause button (▶/||) again.

To stop playback

Press the Stop button (■) to stop playback.

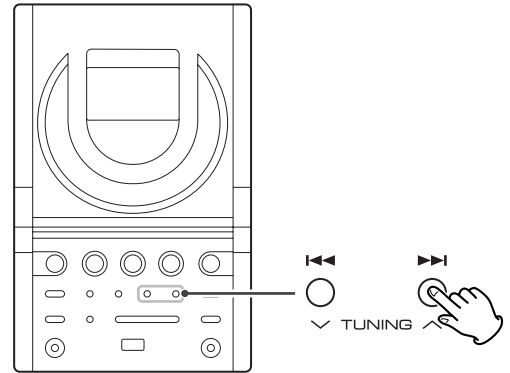


Search for a part of a track



During playback, hold down the skip button (▶▶ or ◀◀) and release it when the part you want to listen to is found.

To skip to the next or a previous track

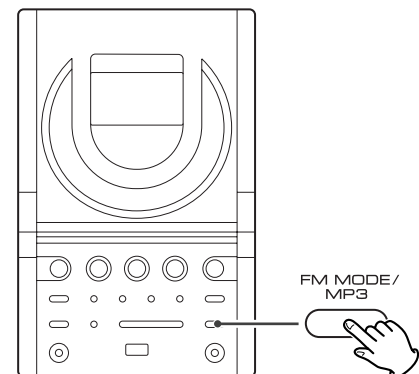


During playback, press the skip button (▶▶ or ◀◀) repeatedly until the desired track is found. The selected track will be played from the beginning.

In the stop mode, press the skip button (▶▶ or ◀◀) repeatedly until the track you want to listen to is found. Press the Play/Pause button (▶/||) to start playback from the selected track.

- When the ◀◀ button is pressed during playback, the track being played will be played from the beginning. To return to the beginning of the previous track, press the ◀◀ button twice.
- During programmed playback, the next or previous track in the program is played.

ESP (Electronic Shock Protection)



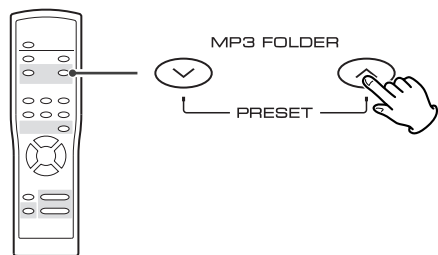
The ESP stores the music in the buffer to prevent sound from skipping.

During playback of a CD, press the MP3 button to turn the ESP on or off. When you turn the ESP on, "40 SEC (40 seconds)" briefly appears, and the (ESP) indicator lights on the display.

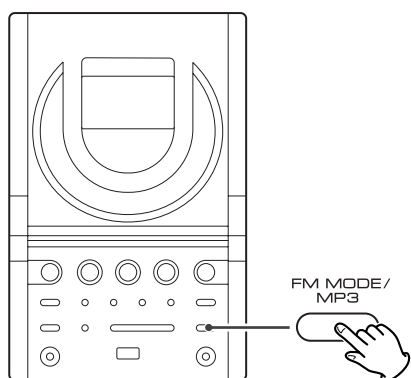
- The (ESP) indicator blinks while the unit is filling the buffer.
- When the unit is on the stable place and free from mechanical shocks, you can turn this function off.
- During playback of MP3, this function is always ON.

Skip to the next folder (MP3)

Press the MP3 FOLDER button to skip to next folder.



To display the MP3 information



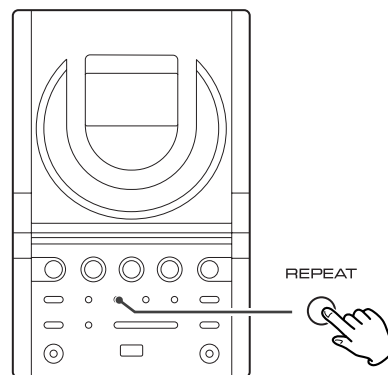
During playback of MP3 disc, press the MP3 button for more than 1 second. The information about the current track is displayed as follows:

FILE (folder name)→TITLE (*)→ARTIST (*)→ALBUM (*)

*: track information

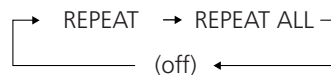
Press the MP3 button for more than 1 second again to cancel the MP3 information mode.

Repeat Playback

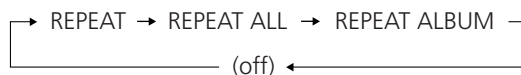


Each time the REPEAT button is pressed, the mode is changed as follows:

When a CD is loaded.



When a MP3 disc is loaded.



- If one of the following buttons is pressed, repeat mode will be canceled:

STOP during playback, FUNCTION, OPEN/CLOSE, POWER

Repeat one track

Press the REPEAT button once during playback. "REPEAT" lights.

The track being played will be played repeatedly. If you press the Skip button (◀◀ or ▶▶) and select another track, the track you selected will be played repeatedly.

It is also possible to select a track to be repeated in the stop mode. Press the REPEAT button, select a track using the Skip button (◀◀ or ▶▶), and then press the Play/Pause button (▶/||) to start playback.

Repeat all the tracks

All the tracks will be played repeatedly.

Press the REPEAT button twice. "REPEAT ALL" lights.

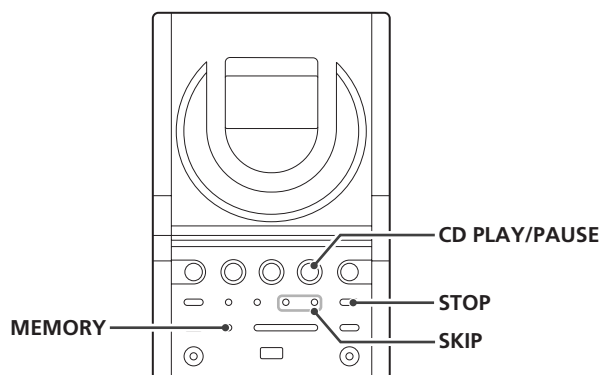
During programmed playback, programmed tracks will be played repeatedly.

Repeat all the tracks in the folder (MP3)

All the tracks in the folder will be played repeatedly.

Press the REPEAT button three times. "REPEAT ALBUM" lights.

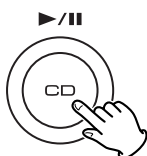
Programmed Playback



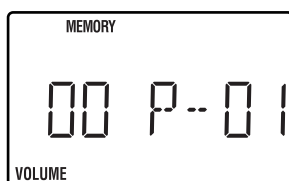
Up to 64 tracks can be programmed in the desired order.

Shuffle and Repeat functions don't work during programmed playback.

1 Press the CD or the FUNCTION button to select "CD".



2 Press the MEMORY button.

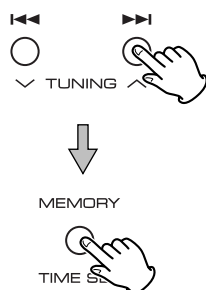


"MEMORY" lights up in the display.

- To cancel the program mode, press the Stop button (■).

3 Press the Skip button (◀◀ or ▶▶) repeatedly to select a folder of a MP3 disc, then press the MEMORY button.

- MP3 tracks recorded out of folders are in the "01" (ROOT) folder.
- Skip this step when playing a CD.



4 Press the Skip button (◀◀ or ▶▶) repeatedly to select a track, then press the MEMORY button.

The track is programmed, and "P-02" is displayed.

- Repeat steps **3** and **4** to program more tracks.
- You can program up to 64 tracks.

5 When the selection of track numbers is completed, press the Play/Pause button (▶/II) to start programmed playback.



- When the playback of all the programmed tracks has finished, or if one of the following buttons is pressed, the MEMORY indicator will go off and the program mode will be cancelled:

STOP, FUNCTION, POWER

The program is retained in memory until the OPEN/CLOSE button is pressed or the power is interrupted. You can return to the programmed playback by pressing the MEMORY button and the Play/Pause button (▶/II) in the stop mode. (If another source was selected, select the CD mode by pressing the CD button beforehand.)

To check the programmed order



In the stop mode, press the MEMORY button repeatedly. The track number and program number will be shown on the display.

To add a track to the end of the program

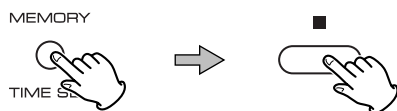
In the stop mode, press the MEMORY button repeatedly until "00" appears on the display. Select a track number using the Skip button (◀◀ or ▶▶) and then press the MEMORY button. The track is added to the end of the program.

To overwrite the program

In the stop mode, press the MEMORY button repeatedly until the program number to be changed appears on the display. Select a new track number using the Skip button (◀◀ or ▶▶) and then press the MEMORY button.



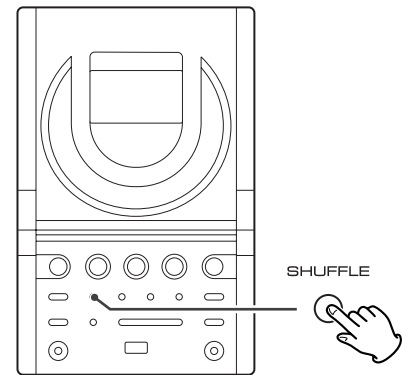
To clear program



To clear the programmed contents, press the MEMORY and the STOP button (■) in the stop mode.

- If the OPEN/CLOSE button is pressed, the programmed contents will also be cleared.
- If the unit is disconnected from the power supply, the programmed contents will be cleared.

Shuffle Playback

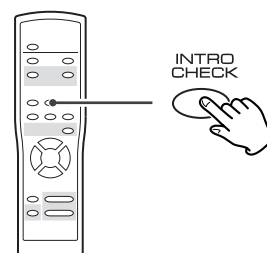


The tracks can be played randomly. Press the SHUFFLE button during playback or when in the stop mode. "SHUFFLE" will then light up in the display.

- If you press the ▶▶ button during shuffle playback, next track will be randomly selected and played. If you press the ◀◀ button, the currently played track will be played from the beginning. A track cannot be replayed during shuffle playback.
- Shuffle playback doesn't work during programmed playback.
- If one of the following buttons is pressed, shuffle mode will be cancelled:

SHUFFLE, STOP, FUNCTION, POWER, OPEN/CLOSE

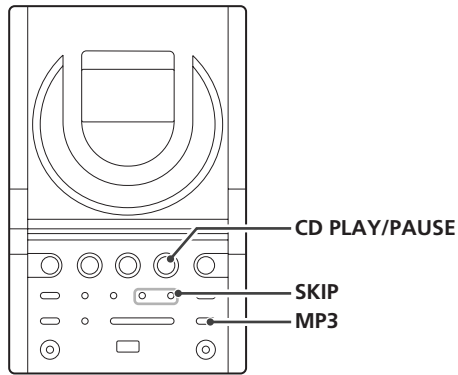
Intro Check



Press the INTRO CHECK button in the stop mode. The beginning of all the tracks is played for 10 seconds each. When a track you want to listen to is found, press the INTRO CHECK button to resume normal playback.

- To skip to the next or a previous track, press the SKIP button (◀◀ or ▶▶).
- To stop Intro Check function, press the STOP button (■).

Search Mode (MP3 only)



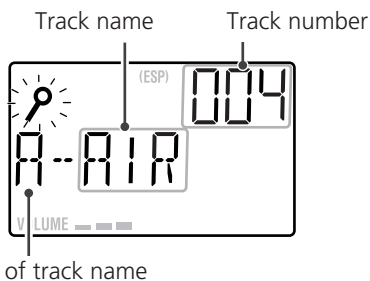
Search for a name of track

You can select the track by searching for its name.

1 Press the MP3 button once.



An alphabet (initial letter of a track name) and a track name are displayed.



- To cancel the search mode, press the STOP button (■).

2 Select the initial letter of the track you want to listen to by pressing the SKIP button (◀◀ or ▶▶).



3 Press and hold the SKIP button (◀◀ or ▶▶).



Then you can select the track that has same initial letter by pressing the SKIP button (◀◀ or ▶▶).

4 Press the PLAY/PAUSE button (▶/||).

Playback starts from the selected track.



Search for a track in a folder

1 Press the MP3 button twice.



The name of folder is displayed.

2 Press the SKIP button (◀◀ or ▶▶) to find the folder that the track you want to listen to is included.

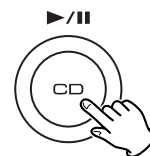


3 Press and hold the SKIP button (◀◀ or ▶▶).

Then you can select the track in the folder by pressing the SKIP button (◀◀ or ▶▶).

- MP3 tracks recorded out of folders are in the "ROOT" folder.

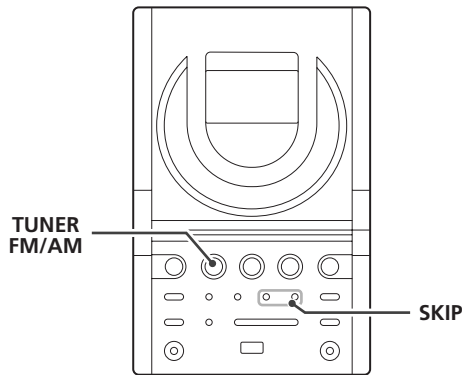
4 Press the PLAY/PAUSE button (▶/||) to start playback.



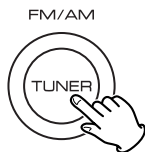
Playback starts from the selected track.

- If you skip step 3, playback will start from the first track in the selected folder.

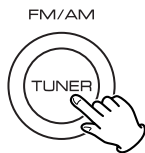
Listening to the Radio



1 Press the TUNER (FM/AM) button.



2 To select the band (AM or FM), press the TUNER (FM/AM) button again.



3 Select the station you want to listen to (auto selection).



Hold down the TUNING Up or Down button until the frequency display begins to change. When a station is tuned in, the tuning process will stop automatically.

- Press the Up or Down button to stop the auto selection.

Selecting stations which cannot be tuned automatically (manual selection)

When the Up or Down button is pressed momentarily, the frequency changes by a fixed step.
Press the Up or Down button repeatedly until the station you want to listen to is found.

If the reception is poor

AM broadcast

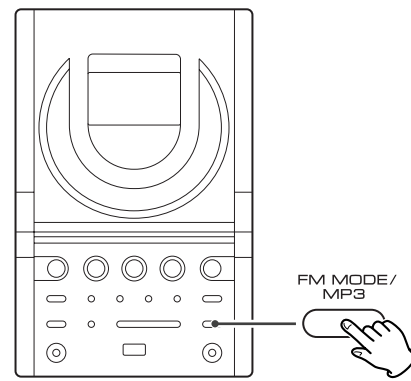
Rotate or relocate the unit to find the best position for AM stations.

FM broadcast

Extend and rotate the FM antenna until you receive the stations clearly. You may need to relocate the unit.

FM MODE Button

Pressing this button alternates between Stereo mode and Mono mode.



Stereo:

FM stereo broadcasts are received in stereo and the "STEREO" indicator lights on the display.

Mono:

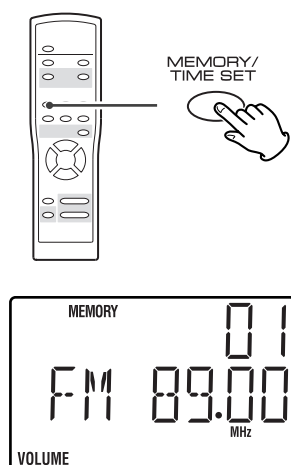
To compensate for weak FM stereo reception, select this mode. Reception will now be forced to monaural, reducing unwanted noise.

Preset Tuning

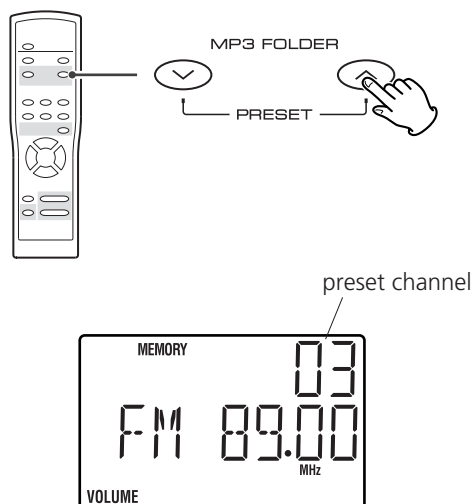
You can store FM and AM stations into preset channels 1 to 10 respectively.

1 Tune in a station you want to listen to (see steps **1** to **3** of page 17).

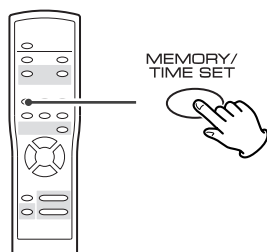
2 Press the MEMORY button.



3 Within 5 seconds, select a preset channel to store the station using the PRESET button.



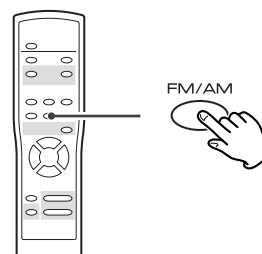
4 Within 5 seconds, press the MEMORY button.



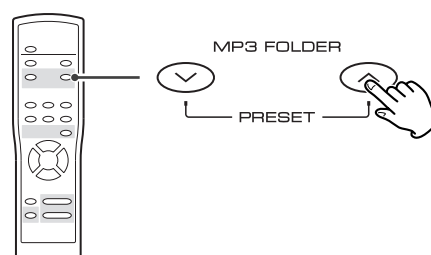
The station is stored and the MEMORY indicator goes off. To store more stations, repeat steps **1** to **4**.

How to select preset stations

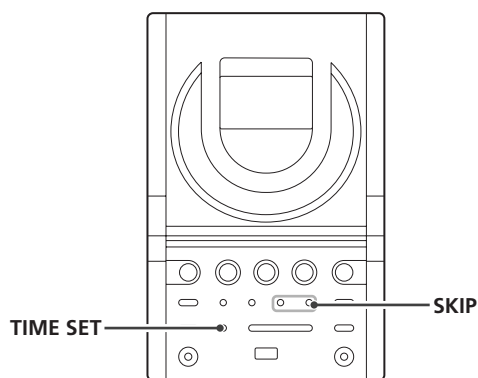
1 Press the FM/AM button to select a band.



2 Press the PRESET button repeatedly until the desired preset station is found.



Setting the Clock



- 1 If the unit is on, press the **STANDBY/ON** switch to turn it off.



- 2 Press and hold down the **TIME SET** button.

"12 HOUR" or "24 HOUR" blinks. If you want to change the hour mode, press the **I◀◀ / ▶▶I** button.



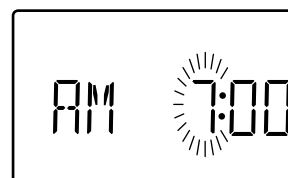
- If no button is pressed for 10 seconds, the time setting mode will be cancelled.

- 3 Press the **TIME SET** button once more.

The "hour" value blinks.

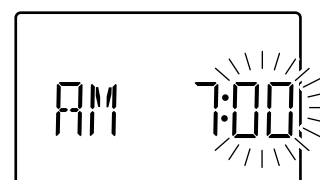


- 4 Press the **SKIP** button (**I◀◀ / ▶▶I**) to set the current hour.

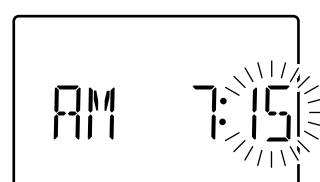


- 5 Press the **TIME SET** button.

The "minute" value blinks.

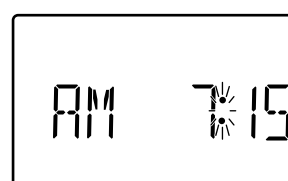


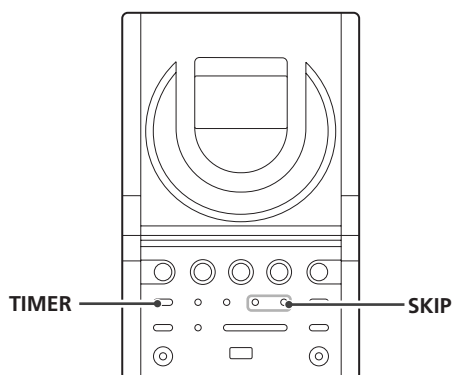
- 6 Press the **SKIP** button (**I◀◀ / ▶▶I**) to set the current minute.



- 7 Press the **TIME SET** button.

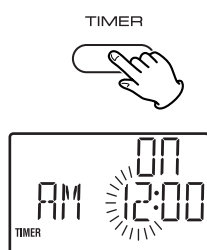
The clock starts.





- The unit can be programmed to turn on and off at a specified time.
- Adjust the clock before setting the timer.

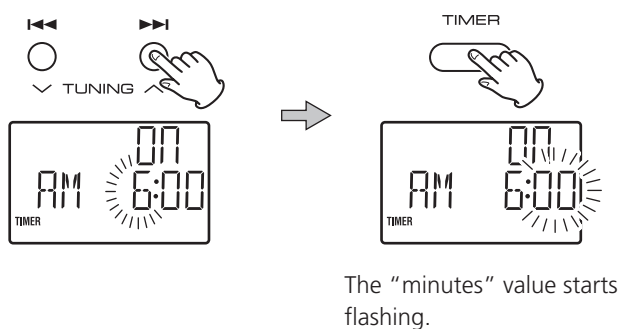
1 Press and hold the **TIMER** button until "TIMER" and "ON" indicators appear on the display.



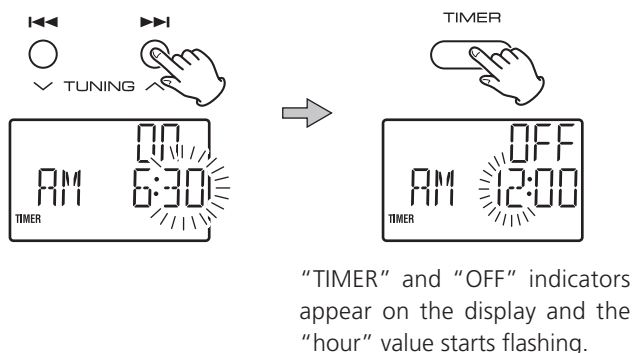
The "hour" value starts flashing.

- When no button is pressed for 10 seconds, the timer setting mode will be cancelled.

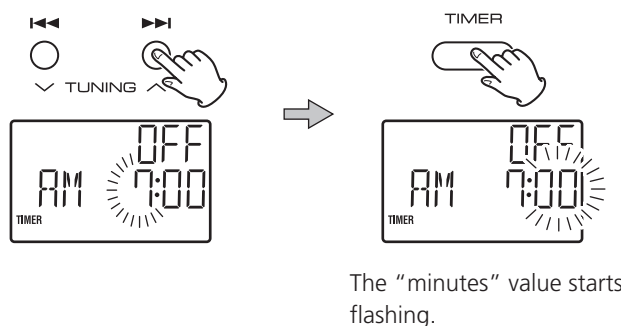
2 Press the **SKIP** button (◀◀/▶▶) to set the start time (hour), and then press the **TIMER** button.



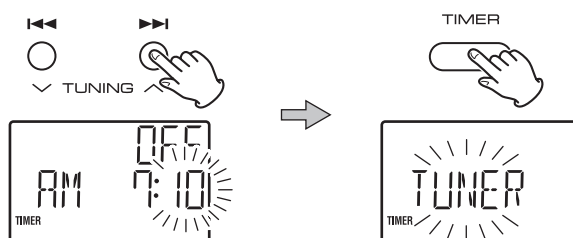
3 Press the **SKIP** button (◀◀/▶▶) to set the start time (minute), and then press the **TIMER** button.



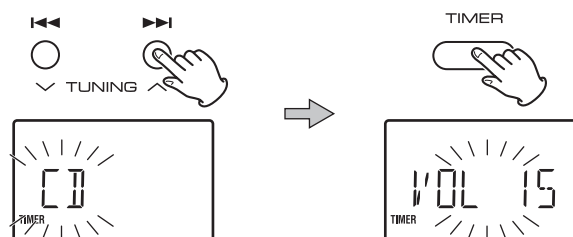
4 Press the **SKIP** button (◀◀/▶▶) to set the stop time (hour), and then press the **TIMER** button.



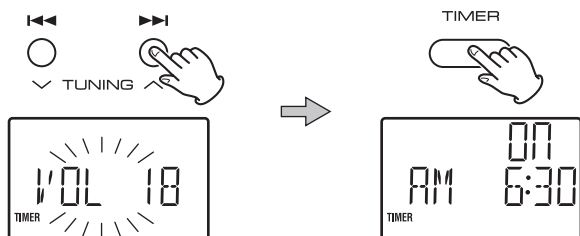
5 Press the **SKIP** button (◀◀/▶▶) to set the stop time (minute), and then press the **TIMER** button.



6 Press the **SKIP** button (◀◀/▶▶) to select a source (CD or TUNER), and then press the **TIMER** button.



- 7** Press the SKIP button (◀◀/▶▶) to set the volume, and then press the TIMER button.



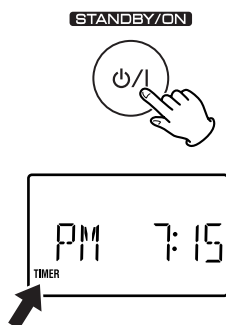
Setting the timer is now completed and the timer is turned on. Your timer setting is displayed one by one, and the TIMER indicator lights on the display.

8 Prepare the source.

When the source is set to "CD", set a CD.

When the source is set to "TUNER", tune in a station.

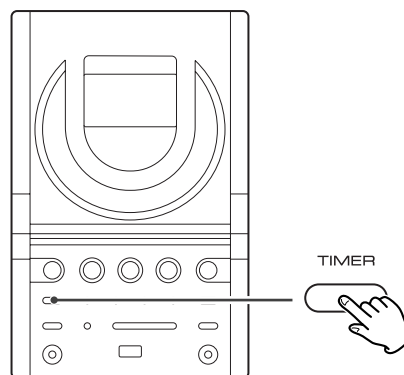
- 9** Press the STANDBY/ON switch to turn the unit off (standby).



The clock and the TIMER indicator are displayed. The unit will turn on and off at the specified time every day.

Don't forget to turn the unit off (standby), or the timer won't work.

To turn on or off the timer



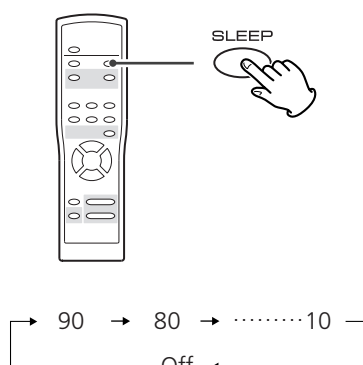
When you don't use the timer, press the TIMER button to turn it off. (The TIMER indicator disappears from the display.) Press the TIMER button again to turn it on.

- When the timer is turned on, the timer settings are displayed one by one, and the TIMER indicator lights on the display.

Sleep Timer

Repeatedly pressing the SLEEP button permits setting an interval (from 90 down to 10 minutes) after which you want the unit to automatically turn off and shift into Standby mode.

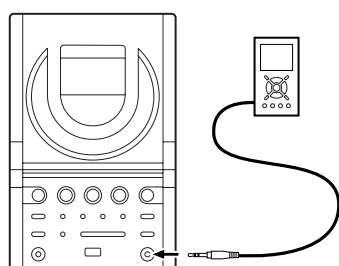
Each press of the SLEEP button changes the time indication by 10 minutes.



- If you want to check the remaining time, press the SLEEP button once. The remaining time will be displayed for 3 seconds, and then return to the normal display.

Listening to an External Source

- 1** Connect the **PHONES** jack (audio output jack) of a portable audio player to the **AUX IN** jack of the EX-M5 using the supplied stereo mini plug cable.



- 2** Press the **AUX** button.



- 3** Play the source, and adjust the volume using the **VOLUME** buttons of the EX-M5 and the audio player.

When using the PHONES jack of your mini player, you must adjust the volume of the mini-player or you may hear no sound from your EX-M5.

Specifications

AMPLIFIER section

Output Power (L+R)	15 W x 2
Input Sensitivity	300 mV
Frequency Response	50 to 20,000 Hz

TUNER Section (FM)

Frequency Range	87.50 to 108.00 MHz
Sensitivity (S/N30dB)	20 dB μ V/m

TUNER Section (AM)

Frequency Range	520 to 1710 kHz
Sensitivity (S/N20dB)	54 dB μ V/m

CD PLAYER Section

Frequency Response	20 to 20,000 Hz (± 1 dB)
Signal-to-Noise Ratio	55 dB
Wow and Flutter	Unmeasurable

GENERAL

Power Requirements	120 V AC, 60 Hz
Power Consumption	65 W

Dimension (W x H x D)	5-7/8" x 9-3/16" x 8-3/4"
	(150 x 233 x 223 mm)
Weight	6-1/16 lb (2.8 kg)

SPEAKER

Type	2-way
Impedance	4 Ω
Dimension (W x H x D)	5-3/4" x 9-3/16" x 7"
	(146 x 233 x 178 mm)
Weight	4-1/16 lbs (1.9 kg) x 2

Standard Accessories

Remote Control Unit (RC-1030) x 1
Battery for Remote Control Unit x 2
Stereo mini plug cable x 1
Owner's Manual x 1
Warranty Card x 1

- Design and specifications are subject to change without notice.
- Weight and dimensions are approximate.
- Illustrations may differ slightly from production models.

If you have problems with your system, look through this chart and see if you can solve the problem yourself before calling your dealer or TEAC service center.

General

No power

- ➔ Check the connection to the AC power supply. Check and make sure the AC source is not a switched outlet and that, if it is, the switch is turned on. Make sure there is power to the AC outlet by plugging another item such as a lamp or fan into the outlet.

No sound from speakers.

- ➔ Select the source by pressing the FUNCTION button (TUNER, CD or AUX).
- ➔ Check the connection to the speakers.
- ➔ Adjust the volume.
- ➔ Pull out the headphone's plug from the PHONES jack.
- ➔ If the VOLUME level indicator is blinking, press the MUTING button. (When "CD" is selected, press the Play/Pause button (▶/II) to start playback.)

The sound is noisy.

- ➔ The unit is too close to a TV or similar appliances. Install the unit apart from them, or turn them off.

Remote control doesn't work.

- ➔ Press the STANDBY/ON switch of the main unit to turn the unit on.
- ➔ If the batteries are dead, change the batteries.
- ➔ Use remote control unit within the range (5 m) and point at the front panel.
- ➔ Clear obstacles between the remote control unit and the main unit.
- ➔ If a strong light is near the unit, turn it off.

CD Player

Will not play.

- ➔ Load a disc with the playback side facing away.
- ➔ If the disc is dirty, clean the surface of the disc.
- ➔ A blank disc has been loaded. Load a prerecorded disc.
- ➔ Depending on the disc, etc. it may not be possible to play back CD-R/RW discs. Try again with another disc.
- ➔ You cannot play back unfinalized CD-R/RW discs. Finalize such a disc in a CD recorder and try again.

Sound skips.

- ➔ Place the unit on a stable place to avoid vibration and shock.
- ➔ If the disc is dirty, clean the surface of the disc.
- ➔ Don't use scratched, damaged or warped discs.

Tuner

Cannot listen to any station, or signal is too weak.

- ➔ Tune in the station properly.
- ➔ Rotate the FM antenna (or the main unit) for the best reception position.

Though the broadcast is stereo, it sounds monaural.

- ➔ Press the FM MODE button.

If normal operation cannot be recovered, unplug the power cord from the outlet and plug it again.

Beware of condensation

When the unit (or a disc) is moved from a cold to a warm place, or used after a sudden temperature change, there is the danger of condensation; vapor in the air could condense on the internal mechanism, making correct operation erratic or impossible. To prevent this, or if this occurs, leave the unit turned on for one or two hours. The unit will stabilize at the temperature of its surroundings.

Maintenance

If the surface of the unit gets dirty, wipe with a soft cloth or use a diluted mild liquid soap. Be sure to remove any excess liquid completely. Do not use thinner, benzine or alcohol as they may damage the surface of the unit. Allow the surface of the unit to dry completely before using.

TEAC

TEAC CORPORATION	3-7-3, Nakacho, Musashino-shi, Tokyo 180-8550, Japan Phone: (0422) 52-5081
TEAC AMERICA, INC.	7733 Telegraph Road, Montebello, California 90640 Phone: (323) 726-0303
TEAC CANADA LTD.	5939 Wallace Street, Mississauga, Ontario L4Z 1Z8, Canada Phone: (905) 890-8008
TEAC MEXICO, S.A. De C.V	Campesinos N°184, Colonia Granjas Esmeralda, Delegacion Iztapalapa, CP 09810, México DF Phone: (525) 581-5500
TEAC UK LIMITED	5 Marlin House, Croxley Business Park, Watford, Hertfordshire, WD18 8TE, U.K. Phone: 01923-819699
TEAC EUROPE GmbH	Bahnstrasse 12, 65205 Wiesbaden-Erbenheim, Germany Phone: 0611-71580
TEAC ITALIANA S.p.A.	Via C. Cantù 11, 20092 Cinisello Balsamo, Milano, Italy Phone: 02-66010500
TEAC AUSTRALIA PTY., LTD. A.B.N. 80 005 408 462	280 William Street, Melbourne VIC 3000, Australia Phone: (03) 9672-2400

This appliance has a serial number located on the rear panel. Please record the model number and serial number and retain them for your records.

Model number _____ Serial number _____

0305 · MA-0968A